

Slag Cement

<u>Supplier</u>	<u>Brand</u>	
Buzzi Unicem USA, Inc.	Aucem Grade 100	Anshan City China
Holcim (US) Inc.	GranCem	Birmingham AL
Skyway Cement Company LLC	GranCem	Chicago IL

Method of Documentation of Acceptance:

Producer's/Supplier's certified shipping notice in accord with the attached agreement. The inspector shall note on the "Concrete Plant Inspector's Daily Report" the name of manufacturer/supplier and source location.

DESTINATION SAMPLING AND TESTING

The Materials Division will request random samples through the Resident Engineer. These random samples shall be taken from the transport trailer/railroad car and be identified by:

- Name of Supplier
- Bill of Lading Number
- Supplier Bin (silo) Number
- Supplier Test Number

Method of Approval:

Slag cements are accepted for use on Arkansas Department of Transportation projects based on certification by the supplier. Suppliers are the entities that have responsibility for the final properties of the slag cement. Slag cement is required to conform to the requirements stated in the Standard Specifications for Highway Construction. In order to supply slag cement, the following must be provided and approved by the Department prior to acceptance of the agreement.

- Documentation of the facility test laboratory's AASHTO accreditation or participation in Cement and Concrete Reference Laboratory (CCRL) inspections and reference sample programs, or other Department approved accreditation programs.
- Historical analysis data showing conformance with the specification requirements for the slag cement type to be approved.
- Submittal of a split sample and manufacturer's test data for each slag cement type to be approved.

Supplier

Brand

**AGREEMENT FOR THE ACCEPTANCE OF SLAG CEMENT
BASED ON CERTIFIED MILL TESTS**

Slag cement will be accepted by the Arkansas Department of Transportation based on the manufacturer's/supplier's certification that the material meets all of the applicable requirements of the Department specifications (AASHTO M 302, Grade 100 or higher) under the following conditions:

- The manufacturer/supplier shall maintain a file of their test results and methods of testing. The manufacturer's laboratory shall be inspected periodically by the Cement and Concrete Reference Laboratory (CCRL). Upon request, the manufacturer/supplier shall make reports of inspections available to the Department.

- Slag cement shall be tested at a rate agreed to by the Department and as defined in AASHTO M 302, to include chloride ion content. Laboratory analyses of these tests for slag cement certified and shipped to Department projects shall be furnished to the Department's Materials Division.

- Shipments to Departments projects shall be made only from silos that are certified to meet Department specifications.

- The manufacturer/supplier shall furnish with each shipment a certification containing the following:

- Consignee
- Date and time of shipment
- Truck or railroad car number
- Quantity of slag cement shipped
- Grade of slag cement shipped
- Silo number from which shipped
- Statement that "This is to certify that the grade of slag cement in this shipment is from silo number _____ and complies with the AASHTO specification for the grade shipped."
- Name of slag cement plant of origin
- Signature of a responsible company official

One copy of the shipment certification form for the Resident Engineer shall accompany the shipment.

- A monthly composite sample will be sent to the Materials Division. This sample will be composed of approximately equally sized samples obtained from pretested silos. Destination samples will also be collected as deemed necessary to assure compliance with specifications. Failure of these samples may be considered sufficient cause to reject the slag cement and suspend further shipments until tests by the Department determine that the manufacturer's/supplier's product is in compliance with applicable specifications and requirements.

Failure of slag cement to comply with the above requirements will be considered sufficient reason for removal of the product from the Qualified Products List.

No information contained in these lists is to be used for promotional purposes.